

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A method of resampling a data sequence to resize a digital image, comprising:

- (a) providing filter coefficients according to an input resampling ratio U/D for resizing a digital image where U and D are positive integers, said coefficients grouped into U sub-filters according to phase and corresponding to a data access block;
- (b) for each of a plurality of architecture kernels:
 - (i) provide a step per group of H of said sub-filters from a first set of integers about $H \cdot D/U$ where H is the height of said architecture kernel;
 - (ii) for each of said steps from said first set, find a length for said sub-filters according to an access coverage chart for said data access block;
- (c) using the architecture kernel and the step corresponding to a minimum of said lengths of step (b)(ii) to filter an input digital image data sequence.

Claim 2 (original) The method of claim 1, wherein:

- (a) said filter coefficients of step (a) of claim 1 are samples of a windowed sinc function.

Claim 3 (original) The method of claim 1, wherein:

- (a) said input data sequence is an image; and
- (b) said filter of step (c) of claim 1 is a horizontal resampling.

Claim 4 (original) A digital camera zoom, comprising:

- (a) an input for zoom selection; and

(b) parallel processing circuitry coupled to said zoom selection input and operable to resample an image by

(1) providing filter coefficients according to a resampling ratio dependent upon an input zoom selection, said coefficients grouped into sub-filters according to filter phase and corresponding to a data access block;

(2) for each of a plurality of architecture kernels of said parallel processing circuitry (i) provide a step per group of said sub-filters from a first set of integers corresponding to the height of said architecture kernel and said resampling ratio, (ii) for each of said steps from said first set, find a length for said sub-filters according to an access coverage chart for said data access block; and

(3) using the architecture kernel and the step corresponding to a minimum of said lengths of step (b)(ii) to filter said image.